

from the machine tools to maintain a minimum flow velocity of the dirty coolant therein. In particular, there is no suggestion of controlling the make up flow to be at a rate just sufficient to maintain a minimum flow velocity in the return piping.

Claim 6 claims an apparatus according to the same concept, specifically reciting the pressure reducing valve which controllably directs a flow of clean coolant into a return line just sufficient to maintain a minimum pressure and thus a minimum flow velocity in the return line.

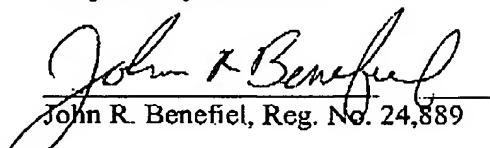
Claims 2-5 and 7 are dependent on claim 1 and 6 respectively and thus also are not anticipated. These claims do contain additional recitations not found in Hensley, i.e., the pressure maintaining valve which prevents a diversion of clean coolant into the return line when this would reduce the pressure of the clean coolant directed at the cutting tools below the minimum required.

The combination of the pressure reducing and maintaining valves provides a simple but reliable system for solving the problems described. Thus, claims 1-7 are urged to be patentable over Hensley and favorable consideration is respectfully requested.

Respectfully submitted,

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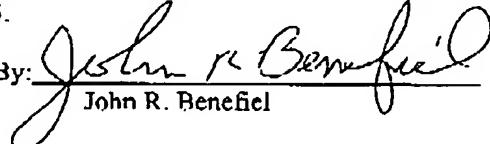
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